

WEST



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L1: Entry 1 of 2

File: JPAB

Jun 15, 1993

PUB-NO: JP405147356A
DOCUMENT-IDENTIFIER: JP 05147356 A
TITLE: OPTICAL RECORDING MEDIUM

PUBN-DATE: June 15, 1993

INVENTOR-INFORMATION:

NAME

COUNTRY

YASHIRO, TORU

UEDA, YUTAKA

ASSIGNEE-INFORMATION:

NAME

COUNTRY

RICOH CO LTD

APPL-NO: JP03314536

APPL-DATE: November 28, 1991

US-CL-CURRENT: 369/275.1

INT-CL (IPC): B41M 5/26; G11B 7/24

ABSTRACT:

PURPOSE: To obtain a hybrid type writing once CD excellent in durability by forming a light absorbing layer based on a specific compound on a substrate having data pits or guide grooves preliminarily provided to the surface thereof.

CONSTITUTION: A compound represented by formula I and/or formula II and/or formula III [wherein R is C_mH_{2m+1} (wherein m is an integer of 1-4), X is II or CH_3 , R1-R8 are II, halogen or C_xH_{2x+1} (wherein x is an integer of 1-4), M is a metal element such as Ni, Co or Fe and A is N $(C_nH_{2n+1})_4$ (wherein n is 1 or 2)] is dissolved in a solvent mixture of A- CH_2OH (wherein A is CF_3) and R1- CH_2CH_2 -R2 (wherein R1 and R2 are HO-). This solution is applied to a substrate by spin coating to form a light absorbing layer so as to make the thickness of the light absorbing layer formed to the bottom part of each of the data pits or guide grooves on the substrate almost same to that of the light absorbing layer of each of the land parts thereof to obtain an optical recording medium.

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L1: Entry 2 of 2

File: DWPI

Jun 15, 1993

DERWENT-ACC-NO: 1993-223980

DERWENT-WEEK: 199817

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TITLE: Optical recording medium suitable for re-recordable compact disc - has light absorbing layer contg. a benzindole poly:methine dye and a nickel, cobalt, iron, molybdenum, palladium or platinum tetra-thio cpd.

PATENT-ASSIGNEE:

ASSIGNEE

CODE

RICOH KK

RICO

PRIORITY-DATA: 1991JP-0314536 (November 28, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 05147356 A</u>	June 15, 1993		007	B41M005/26

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP05147356A	November 28, 1991	1991JP-0314536	

INT-CL (IPC): B41M 5/26; G11B 7/24

ABSTRACTED-PUB-NO: JP05147356A

BASIC-ABSTRACT:

An optical recording medium has a photoabsorbing layer (a) formed directly or through another layer on the substrate forming an information pit and/or a guiding groove on the surface. (a) is composed of a cpd. of formula (1) and (2) or a cpd. of formula (1) and (3). In the formulae, R= CmH2m+1: m= 1-4: X= H or CH3.

R1-R8= H, halogen, CxH2x+1-, CyH2y+1O-, CxH2x+1-O-CyH2y+1-O-, CxH2x+1-COO- (x= 1-4, y= 1-4); M= one of Ni, Co, Fe, Mo, Pd, Pt; A= N (C8H28+1)4 or P (C2H22+1); n= 1 or 2.

The material of (a) is dissolved in a solvent of formula A-CH2OH (4) and a solvent of formula R1-CH2CH2-R2 (5). The obtd. solvent is spin-coated so (a) is formed so that the thickness of (a) at the bottom of the pit and/or the groove is the same as that of a part of the land. In the formulae, A= CF3 or H (CF2-CF2)n n= 1, 2, 3; and R1, R2= HO-, CnH2n+1-O-, phenoxy, benzyloxy, CmH2m+1-O-CnH2n+1-O-, CnH2n+1COO-; n= 1-4, m= 1-4. The content ratio of (2)/(1) is more than 0.05 and that of (3)/(1) is less than 0.3 The wt. ratio of (5) to (4) is 2-30 wt.%.

USE/ADVANTAGE - The optical recording medium can produce an optical disk made by coating the pigment with good durability and prepit.

CHOSEN-DRAWING: Dwg.0/2